

Environmental Protection Agency

§ 421.194

(b) Chlorinator Wet Air Pollution Control.

PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|---------------------------------|
| | mg/kg (pounds per million pounds of germanium chlorinated) | per/million pounds of germanium |
| Arsenic | 27.530 | 12.250 |
| Lead | 5.531 | 2.634 |
| Zinc | 19.230 | 8.034 |
| Fluoride | 461.000 | 262.100 |

(c) Germanium Hydrolysis Filtrate.

PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|---------------------------------|
| | mg/kg (pounds per million pounds of germanium hydrolyzed) | per/million pounds of germanium |
| Arsenic | 39.440 | 17.550 |
| Lead | 7.925 | 3.774 |
| Zinc | 27.550 | 11.510 |
| Fluoride | 660.500 | 375.500 |

(d) Acid Wash and Rinse Water.

PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|---------------------------------|
| | mg/kg (pounds per million pounds of germanium washed) | per/million pounds of germanium |
| Arsenic | 325.50 | 144.80 |
| Lead | 65.40 | 31.14 |
| Zinc | 227.40 | 94.99 |
| Fluoride | 5,450.00 | 3,099.00 |

(e) Gallium Hydrolysis Filtrate.

PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of gallium hydrolyzed | |
| Arsenic | 70.450 | 31.350 |
| Lead | 14.160 | 6.742 |
| Zinc | 49.220 | 20.560 |
| Fluoride | 1,180.000 | 670.800 |

(f) Solvent Extraction Raffinate.

PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
| | mg/kg (pounds per million pounds) of gallium produced by solvent extraction | |
| Arsenic | 39.330 | 17.500 |
| Lead | 7.904 | 3.764 |
| Zinc | 27.480 | 11.480 |
| Fluoride | 658.700 | 374.500 |

§ 421.187 [Reserved]

Subpart Q—Secondary Indium Subcategory

SOURCE: 50 FR 38353, Sept. 20, 1985, unless otherwise noted.

§ 421.190 Applicability: Description of the secondary indium subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of indium at secondary indium facilities processing spent electrolyte solutions and scrap indium metal raw materials.

§ 421.191 Specialized definitions.

For the purpose of this subpart the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

§§ 421.192–421.193 [Reserved]

§ 421.194 Standards of performance for new sources.

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Displacement Supernatant.

NSPS FOR THE SECONDARY INDIUM SUBCATEGORY

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of indium metal produced | |
| Cadmium | 2.105 | 0.929 |
| Lead | 2.600 | 1.238 |
| Zinc | 9.037 | 3.776 |
| Indium | 2.724 | 1.114 |

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**NSPS FOR THE SECONDARY INDIUM
SUBCATEGORY—Continued**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-----------------------|-----------------------------|
| Total suspended solids | 253.800 | 120.700 |
| pH | (¹) | (¹) |

¹ Within the range of 7.5 to 10.0 at all times.

(b) Spent Electrolyte.

**NSPS FOR THE SECONDARY INDIUM
SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
| | mg/kg (pounds per million pounds) of cathode indium produced | |
| Cadmium | 12.170 | 5.370 |
| Lead | 15.040 | 7.160 |
| Zinc | 52.270 | 21.840 |
| Indium | 15.750 | 6.444 |
| Total suspended solids | 1,468.000 | 698.100 |
| pH | (¹) | (¹) |

¹ Within the range of 7.5 to 10.0 at all times.

§ 421.195 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources. The mass of wastewater pollutants in secondary indium process wastewater introduced into a POTW must not exceed the following values:

(a) Displacement Supernatant.

**PSES FOR THE SECONDARY INDIUM
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| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
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